

Fig. 1

Amino Acid Sequence of the Composite HCV_{HC-J1/COC/CHI}

					5						10				15
1	Met	Ser	Thr	Ile	Pro	Lys	Pro	Gln	Arg	Lys	Thr	Lys	Arg	Asn	Thr
16	Asn	Arg	Arg	Pro	Gln	Asp	Val	Lys	Phe	Pro	Gly	Gly	Gly	Gln	Ile
31	Val	Gly	Gly	Val	Tyr	Leu	Leu	Pro	Arg	Arg	Gly	Pro	Arg	Leu	Gly
46	Val	Arg	Ala	Thr	Arg	Lys	Thr	Ser	Glu	Arg	Ser	Gln	Pro	Arg	Gly
61	Arg	Arg	Gln	Pro	Ile	Pro	Lys	Val	Arg	Arg	Pro	Glu	Gly	Arg	Thr
76	Trp	Ala	Gln	Pro	Gly	Tyr	Pro	Trp	Pro	Leu	Tyr	Gly	Asn	Glu	Gly
91	Cys	Gly	Trp	Ala	Gly	Trp	Leu	Leu	Ser	Pro	Arg	Gly	Ser	Arg	Pro
106	Ser	Trp	Gly	Pro	Thr	Asp	Pro	Arg	Arg	Arg	Ser	Arg	Asn	Leu	Gly
121	Lys	Val	Ile	Asp	Thr	Leu	Thr	Cys	Gly	Phe	Ala	Asp	Leu	Met	Gly
136	Tyr	Ile	Pro	Leu	Val	Gly	Ala	Pro	Leu	Gly	Gly	Ala	Ala	Arg	Ala
151	Leu	Ala	His	Gly	Val	Arg	Val	Leu	Glu	Asp	Gly	Val	Asn	Tyr	Ala
166	Thr	Gly	Asn	Leu	Pro	Gly	Cys	Ser	Phe	Ser	Ile	Phe	Leu	Leu	Ala
181	Leu	Leu	Ser	Cys	Leu	Thr	Val	Pro	Ala	Ser	Ala	Tyr	Gln	Val	Arg
196	Asn	Ser	Thr	Gly	Leu	Tyr	His	Val	Thr	Asn	Asp	Cys	Pro	Asn	Ser
211	Ser	Ile	Val	Tyr	Glu	Ala	His	Asp	Ala	Ile	Leu	His	Thr	Pro	Gly
226	Cys	Val	Pro	Cys	Val	Arg	Glu	Gly	Asn	Val	Ser	Arg	Cys	Trp	Val
241	Ala	Met	Thr	Pro	Thr	Val	Ala	Thr	Arg	Asp	Gly	Lys	Leu	Pro	Ala
256	Thr	Gln	Leu	Arg	Arg	His	Ile	Asp	Leu	Leu	Val	Gly	Ser	Ala	Thr
271	Leu	Cys	Ser	Ala	Leu	Tyr	Val	Gly	Asp	Leu	Cys	Gly	Ser	Val	Phe
286	Leu	Ile	Gly	Gln	Leu	Phe	Thr	Phe	Ser	Pro	Arg	Arg	His	Trp	Thr
301	Thr	Gln	Gly	Cys	Asn	Cys	Ser	Ile	Tyr	Pro	Gly	His	Ile	Thr	Gly
316	His	Arg	Met	Ala	Trp	Asp	Met	Met	Met	Asn	Trp	Ser	Pro	Thr	Ala
331	Ala	Leu	Val	Met	Ala	Gln	Leu	Leu	Arg	Ile	Pro	Gln	Ala	Ile	Leu
346	Asp	Met	Ile	Ala	Gly	Ala	His	Trp	Gly	Val	Leu	Ala	Gly	Ile	Ala
361	Tyr	Phe	Ser	Met	Val	Gly	Asn	Trp	Ala	Lys	Val	Leu	Val	Val	Leu
376	Leu	Leu	Phe	Ala	Gly	Val	Asp	Ala	Glu	Thr	Ile	Val	Ser	Gly	Gly
391	Gln	Ala	Ala	Arg	Ala	Met	Ser	Gly	Leu	Val	Ser	Leu	Phe	Thr	Pro
406	Gly	Ala	Lys	Gln	Asn	Ile	Gln	Leu	Ile	Asn	Thr	Asn	Gly	Ser	Trp
421	His	Ile	Asn	Ser	Thr	Ala	Leu	Asn	Cys	Asn	Glu	Ser	Leu	Asn	Thr
436	Gly	Trp	Leu	Ala	Gly	Leu	Ile	Tyr	Gln	His	Lys	Phe	Asn	Ser	Ser
451	Gly	Cys	Pro	Glu	Arg	Leu	Ala	Ser	Cys	Arg	Pro	Leu	Thr	Asp	Phe
466	Asp	Gln	Gly	Trp	Gly	Pro	Ile	Ser	Tyr	Ala	Asn	Gly	Ser	Gly	Pro
481	Asp	Gln	Arg	Pro	Tyr	Cys	Trp	His	Tyr	Pro	Pro	Lys	Pro	Cys	Gly
496	Ile	Val	Pro	Ala	Lys	Ser	Val	Cys	Gly	Pro	Val	Tyr	Cys	Phe	Thr
511	Pro	Ser	Pro	Val	Val	Val	Gly	Thr	Thr	Asp	Arg	Ser	Gly	Ala	Pro
526	Thr	Tyr	Ser	Trp	Gly	Glu	Asn	Asp	Thr	Asp	Val	Phe	Val	Leu	Asn
541	Asn	Thr	Arg	Pro	Pro	Leu	Gly	Asn	Trp	Phe	Gly	Cys	Thr	Trp	Met
556	Asn	Ser	Thr	Gly	Phe	Thr	Lys	Val	Cys	Gly	Ala	Pro	Pro	Cys	Val
571	Ile	Gly	Gly	Ala	Gly	Asn	Asn	Thr	Leu	His	Cys	Pro	Thr	Asp	Cys
586	Phe	Arg	Lys	His	Pro	Asp	Ala	Thr	Tyr	Ser	Arg	Cys	Gly	Ser	Gly
601	Pro	Trp	Ile	Thr	Pro	Arg	Cys	Leu	Val	Asp	Tyr	Pro	Tyr	Arg	Leu
616	Trp	His	Tyr	Pro	Cys	Thr	Ile	Asn	Tyr	Thr	Ile	Phe	Lys	Ile	Arg
631	Met	Tyr	Val	Gly	Gly	Val	Glu	His	Arg	Leu	Glu	Ala	Ala	Cys	Asn
646	Trp	Thr	Arg	Gly	Glu	Arg	Cys	Asp	Leu	Glu	Asp	Arg	Asp	Arg	Ser
661	Glu	Leu	Ser	Pro	Leu	Leu	Leu	Thr	Thr	Thr	Gln	Trp	Gln	Val	Leu
676	Pro	Cys	Ser	Phe	Thr	Thr	Leu	Pro	Ala	Leu	Ser	Thr	Gly	Leu	Ile
691	His	Leu	His	Gln	Asn	Ile	Val	Asp	Val	Gln	Tyr	Leu	Tyr	Gly	Val

Fig. 1

Continued

706	Gly	Ser	Ser	Ile	Ala	Ser	Trp	Ala	Ile	Lys	Trp	Glu	Tyr	Val	Val
721	Leu	Leu	Phe	Leu	Leu	Leu	Ala	Asp	Ala	Arg	Val	Cys	Ser	Cys	Leu
736	Trp	Met	Met	Leu	Leu	Ile	Ser	Gln	Ala	Glu	Ala	Ala	Leu	Glu	Asn
751	Leu	Val	Ile	Leu	Asn	Ala	Ala	Ser	Leu	Ala	Gly	Thr	His	Gly	Leu
766	Val	Ser	Phe	Leu	Val	Phe	Phe	Cys	Phe	Ala	Trp	Tyr	Leu	Lys	Gly
781	Lys	Trp	Val	Pro	Gly	Ala	Val	Tyr	Thr	Phe	Tyr	Gly	Met	Trp	Pro
796	Leu	Leu	Leu	Leu	Leu	Ala	Leu	Pro	Gln	Arg	Ala	Tyr	Ala	Leu	
811	Asp	Thr	Glu	Val	Ala	Ala	Ser	Cys	Gly	Gly	Val	Val	Leu	Val	Gly
826	Leu	Met	Ala	Leu	Thr	Leu	Ser	Pro	Tyr	Tyr	Lys	Arg	Tyr	Ile	Ser
841	Trp	Cys	Leu	Trp	Trp	Leu	Gln	Tyr	Phe	Leu	Thr	Arg	Val	Glu	Ala
856	Gln	Leu	His	Val	Trp	Ile	Pro	Pro	Leu	Asn	Val	Arg	Gly	Gly	Arg
871	Asp	Ala	Val	Ile	Leu	Leu	Met	Cys	Ala	Val	His	Pro	Thr	Leu	Val
886	Phe	Asp	Ile	Thr	Lys	Leu	Leu	Leu	Ala	Val	Phe	Gly	Pro	Leu	Trp
901	Ile	Leu	Asp	Ala	Ser	Leu	Leu	Lys	Val	Pro	Tyr	Phe	Val	Arg	Val
916	Gln	Gly	Leu	Leu	Arg	Phe	Cys	Ala	Leu	Ala	Arg	Lys	Met	Ile	Gly
931	Gly	His	Tyr	Val	Gln	Met	Val	Ile	Ile	Lys	Leu	Gly	Ala	Leu	Thr
946	Gly	Thr	Tyr	Val	Tyr	Asn	His	Leu	Thr	Pro	Leu	Arg	Asp	Trp	Ala
961	His	Asn	Gly	Leu	Arg	Asp	Leu	Ala	Val	Ala	Val	Glu	Pro	Val	Val
976	Phe	Ser	Gln	Met	Glu	Thr	Lys	Leu	Ile	Thr	Trp	Gly	Ala	Asp	Thr
991	Ala	Ala	Cys	Gly	Asp	Ile	Ile	Asn	Gly	Leu	Pro	Val	Ser	Ala	Arg
1006	Arg	Gly	Arg	Glu	Ile	Leu	Leu	Gly	Pro	Ala	Asp	Gly	Met	Val	Ser
1021	Lys	Gly	Trp	Arg	Leu	Leu	Ala	Pro	Ile	Thr	Ala	Tyr	Ala	Gln	Gln
1036	Thr	Arg	Gly	Leu	Leu	Gly	Cys	Ile	Ile	Thr	Ser	Leu	Thr	Gly	Arg
1051	Asp	Lys	Asn	Gln	Val	Glu	Gly	Glu	Val	Gln	Ile	Val	Ser	Thr	Ala
1066	Ala	Gln	Thr	Phe	Leu	Ala	Thr	Cys	Ile	Asn	Gly	Val	Cys	Trp	Thr
1081	Val	Tyr	His	Gly	Ala	Gly	Thr	Arg	Thr	Ile	Ala	Ser	Pro	Lys	Gly
1096	Pro	Val	Ile	Gln	Met	Tyr	Thr	Asn	Val	Asp	Gln	Asp	Leu	Val	Gly
1111	Trp	Pro	Ala	Pro	Gln	Gly	Ser	Arg	Ser	Leu	Thr	Pro	Cys	Thr	Cys
1126	Gly	Ser	Ser	Asp	Leu	Tyr	Leu	Val	Thr	Arg	His	Ala	Asp	Val	Ile
1141	Pro	Val	Arg	Arg	Arg	Gly	Asp	Ser	Arg	Gly	Ser	Leu	Leu	Ser	Pro
1156	Arg	Pro	Ile	Ser	Tyr	Leu	Lys	Gly	Ser	Ser	Gly	Gly	Pro	Leu	Leu
1171	Cys	Pro	Ala	Gly	His	Ala	Val	Gly	Ile	Phe	Arg	Ala	Ala	Val	Cys
1186	Thr	Arg	Gly	Val	Ala	Lys	Ala	Val	Asp	Phe	Ile	Pro	Val	Glu	Asn
1201	Leu	Glu	Thr	Thr	Met	Arg	Ser	Pro	Val	Phe	Trp	Asp	Asn	Ser	Ser
1216	Pro	Pro	Val	Val	Pro	Gln	Ser	Phe	Gln	Val	Ala	His	Leu	His	Ala
1231	Pro	Thr	Gly	Ser	Gly	Lys	Ser	Thr	Lys	Val	Pro	Ala	Ala	Tyr	Ala
1246	Ala	Gln	Gly	Tyr	Lys	Val	Leu	Val	Leu	Asn	Pro	Ser	Val	Ala	Ala
1261	Thr	Leu	Gly	Phe	Gly	Ala	Tyr	Met	Ser	Lys	Ala	His	Gly	Ile	Asp
1276	Pro	Asn	Ile	Arg	Thr	Gly	Val	Arg	Thr	Ile	Thr	Thr	Gly	Ser	Pro
1291	Ile	Thr	Tyr	Ser	Thr	Tyr	Gly	Lys	Phe	Leu	Ala	Asp	Gly	Gly	Cys
1306	Ser	Gly	Gly	Ala	Tyr	Asp	Ile	Ile	Ile	Cys	Asp	Glu	Cys	His	Ser
1321	Thr	Asp	Ala	Thr	Ser	Ile	Leu	Gly	Ile	Gly	Thr	Val	Leu	Asp	Gln
1336	Ala	Glu	Thr	Ala	Gly	Ala	Arg	Leu	Val	Val	Leu	Ala	Thr	Ala	Thr
1351	Pro	Pro	Gly	Ser	Val	Thr	Val	Pro	His	Pro	Asn	Ile	Glu	Glu	Val
1366	Ala	Leu	Ser	Thr	Thr	Gly	Glu	Ile	Pro	Phe	Tyr	Gly	Lys	Ala	Ile
1381	Pro	Leu	Glu	Val	Ile	Lys	Gly	Gly	Arg	His	Leu	Ile	Phe	Cys	His
1396	Ser	Lys	Lys	Lys	Cys	Asp	Glu	Leu	Ala	Ala	Lys	Leu	Val	Ala	Leu
1411	Gly	Ile	Asn	Ala	Val	Ala	Tyr	Tyr	Arg	Gly	Leu	Asp	Val	Ser	Val
1426	Ile	Pro	Thr	Ser	Gly	Asp	Val	Val	Val	Val	Ala	Thr	Asp	Ala	Leu
1441	Met	Thr	Gly	Tyr	Thr	Gly	Asp	Phe	Asp	Ser	Val	Ile	Asp	Cys	Asn
1456	Thr	Cys	Val	Thr	Gln	Thr	Val	Asp	Phe	Ser	Leu	Asp	Pro	Thr	Phe
1471	Thr	Ile	Glu	Thr	Ile	Thr	Leu	Pro	Gln	Asp	Ala	Val	Ser	Arg	Thr
1486	Gln	Arg	Arg	Gly	Arg	Thr	Gly	Arg	Gly	Lys	Pro	Gly	Ile	Tyr	Arg
1501	Phe	Val	Ala	Pro	Gly	Glu	Arg	Pro	Ser	Gly	Met	Phe	Asp	Ser	Ser
1516	Val	Leu	Cys	Glu	Cys	Tyr	Asp	Ala	Gly	Cys	Ala	Trp	Tyr	Glu	Leu

Fig. 1

Continued

1531 Thr Pro Ala Glu Thr Thr Val Arg Leu Arg Ala Tyr Met Asn Thr
 1546 Pro Gly Leu Pro Val Cys Gln Asp His Leu Glu Phe Trp Glu Gly
 1561 Val Phe Thr Gly Leu Thr His Ile Asp Ala His Phe Leu Ser Gln
 1576 Thr Lys Gly Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln
 1591 Ala Thr Val Cys Ala Arg Ala Gln Ala Pro Pro Pro Ser Trp Asp
 1606 Gln Met Trp Lys Cys Leu Ile Arg Leu Lys Pro Thr Leu His Gly
 1621 Pro Thr Pro Leu Leu Tyr Arg Leu Gly Ala Val Gln Asn Glu Ile
 1636 Thr Leu Thr His Pro Val Thr Lys Tyr Ile Met Thr Cys Met Ser
 1651 Ala Asp Leu Glu Val Val Thr Ser Thr Trp Val Leu Val Gly Gly
 1666 Val Leu Ala Ala Leu Ala Ala Tyr Cys Leu Ser Thr Gly Cys Val
 1681 Val Ile Val Gly Arg Val Val Leu Ser Gly Lys Pro Ala Ile Ile
 1696 Pro Asp Arg Glu Val Leu Tyr Arg Glu Phe Asp Glu Met Glu Glu
 1711 Cys Ser Gln His Leu Pro Tyr Ile Glu Gln Gly Met Met Leu Ala
 1726 Glu Gln Phe Lys Gln Lys Ala Leu Gly Leu Leu Gln Thr Ala Ser
 1741 Arg Gln Ala Glu Val Ile Ala Pro Ala Val Gln Thr Asn Trp Gln
 1756 Lys Leu Glu Thr Phe Trp Ala Lys His Met Trp Asn Phe Ile Ser
 1771 Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro Gly Asn Pro
 1786 Ala Ile Ala Ser Leu Met Ala Phe Thr Ala Ala Val Thr Ser Pro
 1801 Leu Thr Thr Ser Gln Thr Leu Leu Phe Asn Ile Leu Gly Gly Trp
 1816 Val Ala Ala Gln Leu Ala Ala Pro Gly Ala Ala Thr Ala Phe Val
 1831 Gly Ala Gly Leu Ala Gly Ala Ala Ile Gly Ser Val Gly Leu Gly
 1846 Lys Val Leu Ile Asp Ile Leu Ala Gly Tyr Gly Ala Gly Val Ala
 1861 Gly Ala Leu Val Ala Phe Lys Ile Met Ser Gly Glu Val Pro Ser
 1876 Thr Glu Asp Leu Val Asn Leu Leu Pro Ala Ile Leu Ser Pro Gly
 1891 Ala Leu Val Val Gly Val Val Cys Ala Ala Ile Leu Arg Arg His
 1906 Val Gly Pro Gly Glu Gly Ala Val Gln Trp Met Asn Arg Leu Ile
 1921 Ala Phe Ala Ser Arg Gly Asn His Val Ser Pro Thr His Tyr Val
 1936 Pro Glu Ser Asp Ala Ala Ala Arg Val Thr Ala Ile Leu Ser Ser
 1951 Leu Thr Val Thr Gln Leu Leu Arg Arg Leu His Gln Trp Ile Ser
 1966 Ser Glu Cys Thr Thr Pro Cys Ser Gly Ser Trp Leu Arg Asp Ile
 1981 Trp Asp Trp Ile Cys Glu Val Leu Ser Asp Phe Lys Thr Trp Leu
 1996 Lys Ala Lys Leu Met Pro Gln Leu Pro Gly Ile Pro Phe Val Ser
 2011 Cys Gln Arg Gly Tyr Lys Gly Val Trp Arg Val Asp Gly Ile Met
 2026 His Thr Arg Cys His Cys Gly Ala Glu Ile Thr Gly His Val Lys
 2041 Asn Gly Thr Met Arg Ile Val Gly Pro Arg Thr Cys Arg Asn Met
 2056 Trp Ser Gly Thr Phe Pro Ile Asn Ala Tyr Thr Thr Gly Pro Cys
 2071 Thr Arg Leu Pro Ala Pro Asn Tyr Thr Phe Ala Leu Trp Arg Val
 2086 Ser Ala Glu Glu Tyr Val Glu Ile Arg Gln Val Gly Asp Phe His
 2101 Tyr Val Thr Gly Met Thr Thr Asp Asn Leu Lys Cys Pro Cys Gln
 2116 Val Pro Ser Pro Glu Phe Phe Thr Glu Leu Asp Gly Val Arg Leu
 2131 His Arg Phe Ala Pro Pro Cys Lys Pro Leu Leu Arg Glu Glu Val
 2146 Ser Phe Arg Val Gly Leu His Glu Tyr Pro Val Gly Ser Gln Leu
 2161 Pro Cys Glu Pro Glu Pro Asp Val Ala Val Leu Thr Ser Met Leu
 2176 Thr Asp Pro Ser His Ile Thr Ala Glu Ala Gly Arg Arg Leu
 2191 Ala Arg Gly Ser Pro Pro Ser Val Ala Ser Ser Ser Ala Ser Gln
 2206 Leu Ser Ala Pro Ser Leu Lys Ala Thr Cys Thr Ala Asn His Asp
 2221 Ser Pro Asp Ala Glu Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln
 2236 Glu Met Gly Gly Asn Ile Thr Arg Val Glu Ser Glu Asn Lys Val
 2251 Val Ile Leu Asp Ser Phe Asp Pro Leu Val Ala Glu Glu Asp Glu
 2266 Arg Glu Ile Ser Val Pro Ala Glu Ile Leu Arg Lys Ser Arg Arg
 2281 Phe Ala Gln Ala Leu Pro Val Trp Ala Arg Pro Asp Tyr Asn Pro
 2296 Pro Leu Val Glu Thr Trp Lys Lys Pro Asp Tyr Glu Pro Pro Val
 2311 Val His Gly Cys Pro Leu Pro Pro Pro Lys Ser Pro Pro Val Pro
 2326 Pro Pro Arg Lys Lys Arg Thr Val Val Leu Thr Glu Ser Thr Leu
 2341 Ser Thr Ala Leu Ala Glu Leu Ala Thr Arg Ser Phe Gly Ser Ser

Fig. 1

Continued

2356 Ser Thr Ser Gly Ile Thr Gly Asp Asn Thr Thr Thr Ser Ser Glu
 2371 Pro Ala Pro Ser Gly Cys Pro Pro Asp Ser Asp Ala Glu Ser Tyr
 2386 Ser Ser Met Pro Pro Leu Glu Gly Glu Pro Gly Asp Pro Asp Leu
 2401 Ser Asp Gly Ser Trp Ser Thr Val Ser Ser Glu Ala Asn Ala Glu
 2416 Asp Val Val Cys Cys Ser Met Ser Tyr Ser Trp Thr Gly Ala Cys
 2431 Val Thr Pro Cys Ala Ala Glu Glu Lys Leu Pro Ile Asn Ala
 2446 Leu Ser Asn Ser Leu Leu Arg His His Asn Leu Val Tyr Ser Thr
 2461 Thr Ser Arg Ser Ala Cys Gln Arg Gln Lys Lys Val Thr Phe Asp
 2476 Arg Leu Gln Val Leu Asp Ser His Tyr Gln Asp Val Leu Lys Glu
 2491 Val Lys Ala Ala Ala Ser Lys Val Lys Ala Asn Leu Leu Ser Val
 2506 Glu Glu Ala Cys Ser Leu Thr Pro Pro His Ser Ala Lys Ser Lys
 2521 Phe Gly Tyr Gly Ala Lys Asp Val Arg Cys His Ala Arg Lys Ala
 2536 Val Thr His Ile Asn Ser Val Trp Lys Asp Leu Leu Glu Asp Asn
 2551 Val Thr Pro Ile Asp Thr Thr Ile Met Ala Lys Asn Glu Val Phe
 2566 Cys Val Gln Pro Glu Lys Gly Gly Arg Lys Pro Ala Arg Leu Ile
 2581 Val Phe Pro Asp Leu Gly Val Arg Val Cys Glu Lys Met Ala Leu
 2596 Tyr Asp Val Val Thr Lys Leu Pro Leu Ala Val Met Gly Ser Ser
 2611 Tyr Gly Phe Gln Tyr Ser Pro Gly Gln Arg Val Glu Phe Leu Val
 2626 Gln Ala Trp Lys Ser Lys Lys Thr Pro Met Gly Phe Ser Tyr Asp
 2641 Thr Arg Cys Phe Asp Ser Thr Val Thr Glu Ser Asp Ile Arg Thr
 2656 Glu Glu Ala Ile Tyr Gln Cys Cys Asp Leu Asp Pro Gln Ala Arg
 2671 Val Ala Ile Lys Ser Leu Thr Glu Arg Leu Tyr Val Gly Gly Pro
 2686 Leu Thr Asn Ser Arg Gly Glu Asn Cys Gly Tyr Arg Arg Cys Arg
 2701 Ala Ser Gly Val Leu Thr Thr Ser Cys Gly Asn Thr Leu Thr Cys
 2716 Tyr Ile Lys Ala Arg Ala Ala Cys Arg Ala Ala Gly Leu Gln Asp
 2731 Cys Thr Met Leu Val Cys Gly Asp Asp Leu Val Val Ile Cys Glu
 2746 Ser Ala Gly Val Gln Glu Asp Ala Ala Ser Leu Arg Ala Phe Thr
 2761 Glu Ala Met Thr Arg Tyr Ser Ala Pro Pro Gly Asp Pro Pro Gln
 2776 Pro Glu Tyr Asp Leu Glu Leu Ile Thr Ser Cys Ser Ser Asn Val
 2791 Ser Val Ala His Asp Gly Ala Gly Lys Arg Val Tyr Tyr Leu Thr
 2806 Arg Asp Pro Thr Thr Pro Leu Ala Arg Ala Ala Trp Glu Thr Ala
 2821 Arg His Thr Pro Val Asn Ser Trp Leu Gly Asn Ile Ile Met Phe
 2836 Ala Pro Thr Leu Trp Ala Arg Met Ile Leu Met Thr His Phe Phe
 2851 Ser Val Leu Ile Ala Arg Asp Gln Leu Glu Gln Ala Leu Asp Cys
 2866 Glu Ile Tyr Gly Ala Cys Tyr Ser Ile Glu Pro Leu Asp Leu Pro
 2881 Pro Ile Ile Gln Arg Leu Gly Cys Pro Glu Arg Leu Ala Ser

Fig. 2

Antibody binding to individual peptides and various mixtures in an ELISA assay.

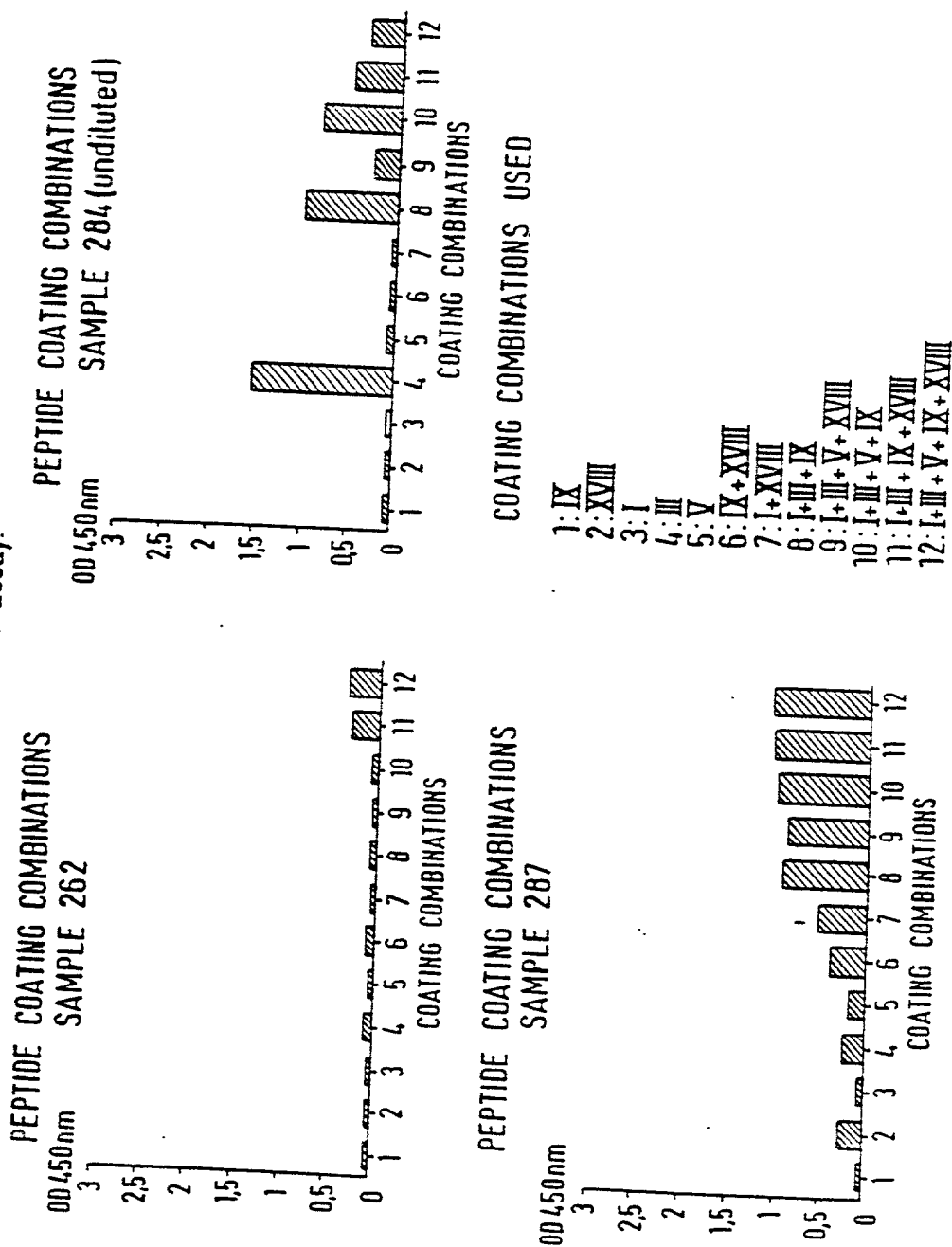
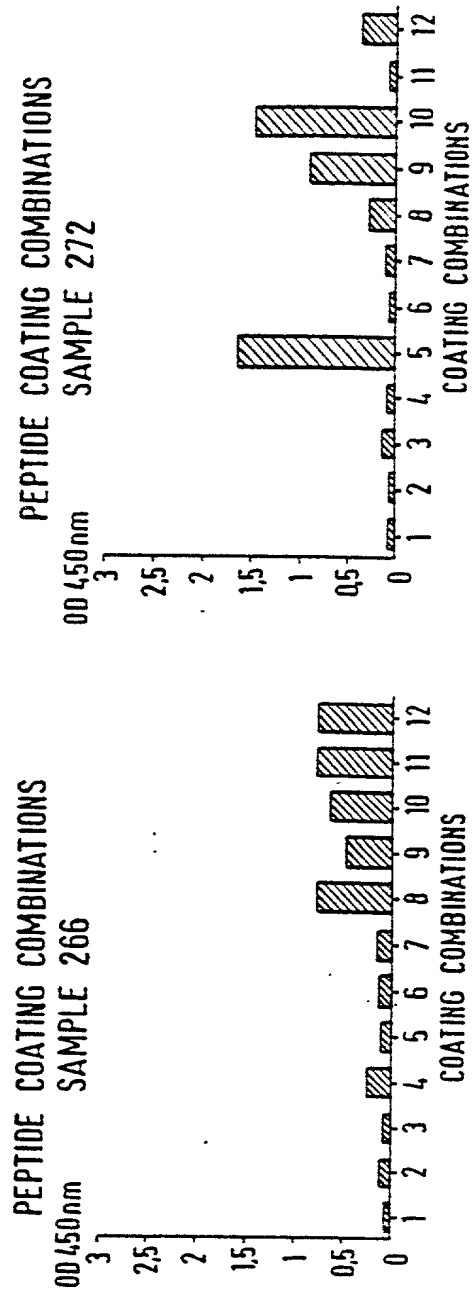
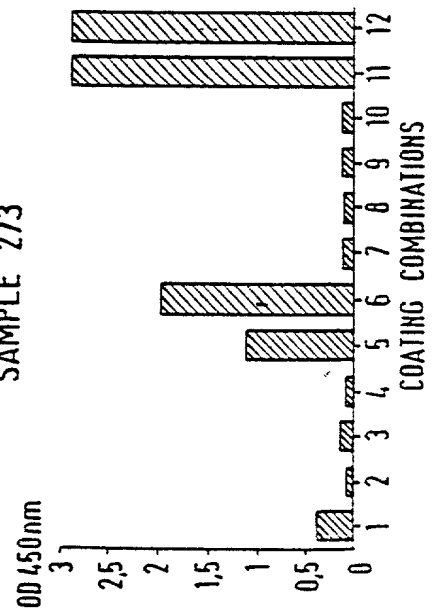


Fig. 2
Continued



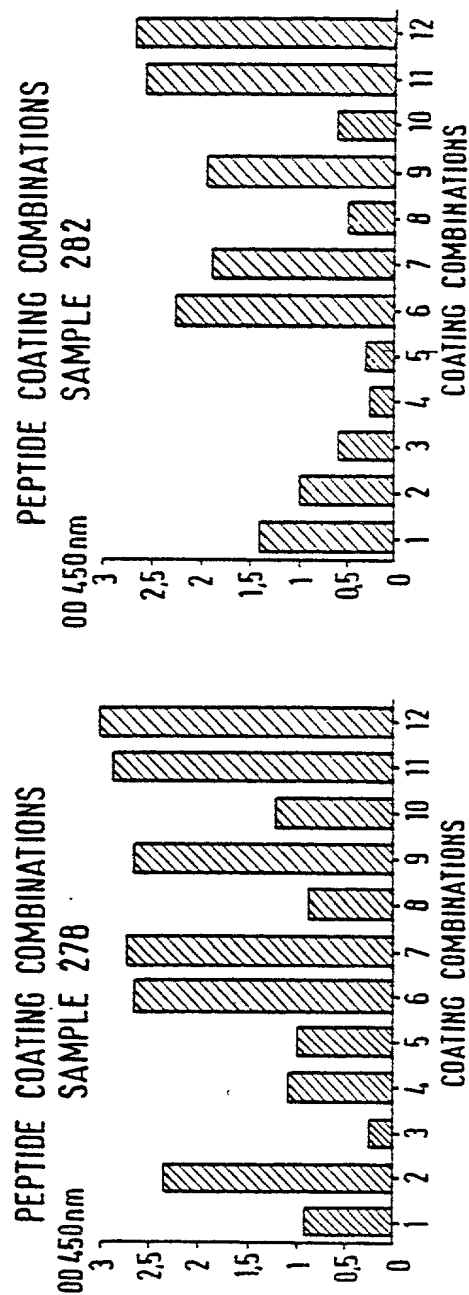
PEPTIDE COATING COMBINATIONS
SAMPLE 273



COATING COMBINATIONS USED

- 1: IX
- 2: XVIII
- 3: I
- 4: III
- 5: V
- 6: IX+XVIII
- 7: I+XVIII
- 8: I+III+IX
- 9: I+III+V+XVIII
- 10: I+III+V+IX
- 11: I+III+IX+XVIII
- 12: I+III+V+IX+XVIII

Fig. 2
Continued



COATING COMBINATIONS USED

- 1: IX
- 2: XVIII
- 3: I
- 4: III
- 5: V
- 6: IX+XVIII
- 7: I+XVIII
- 8: I+III+IX
- 9: I+III+V+XVIII
- 10: I+III+V+IX
- 11: I+III+IX+XVIII
- 12: I+III+V+IX+XVIII

PEPTIDE COATING COMBINATIONS
SAMPLE 8247

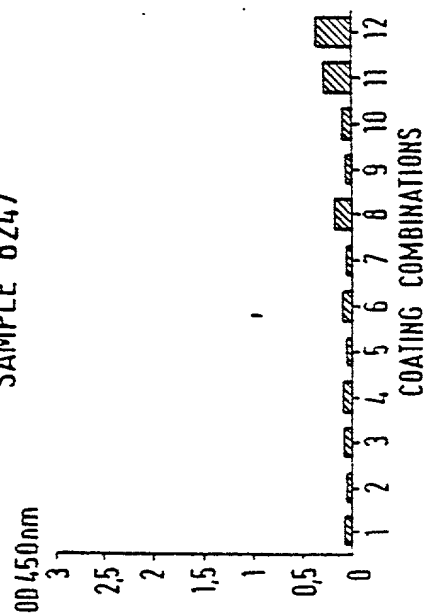
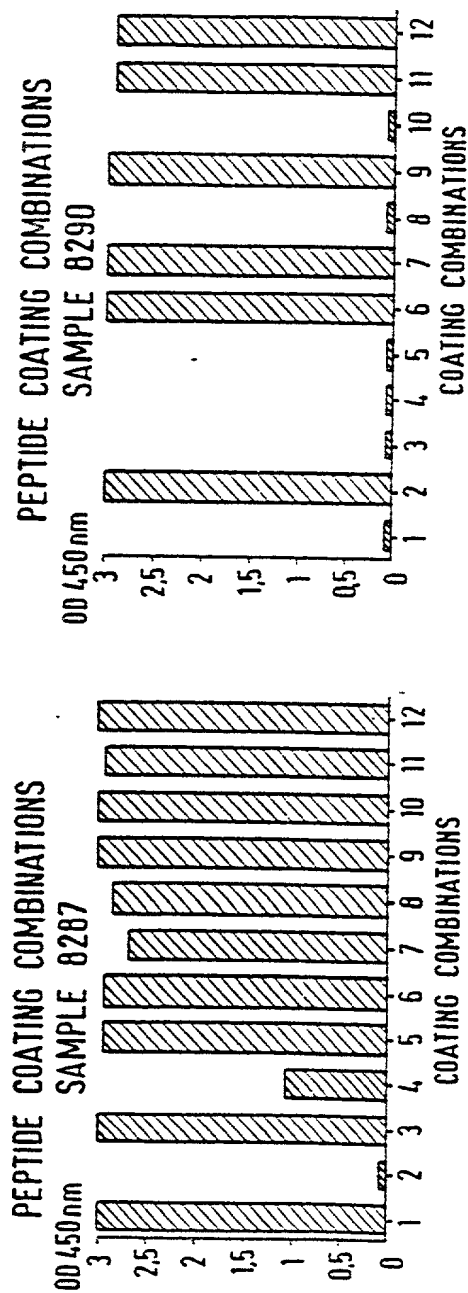
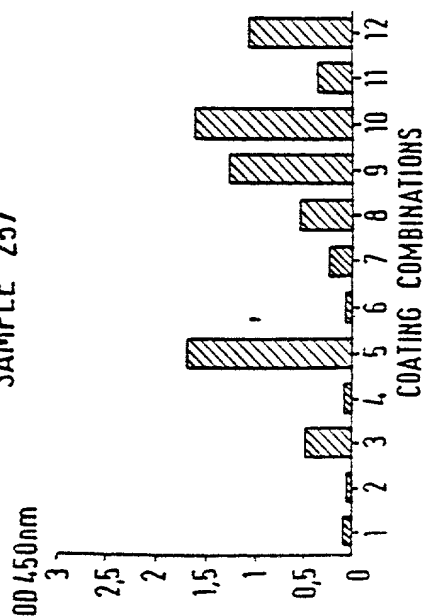


Fig. 2
Continued



PEPTIDE COATING COMBINATIONS
SAMPLE 257



COATING COMBINATIONS USED

- 1: IX
- 2: XVIII
- 3: I
- 4: III
- 5: V
- 6: IX + XVIII
- 7: I + XVIII
- 8: I + III + IX
- 9: I + III + V + XVIII
- 10: I + III + V + IX
- 11: I + III + IX + XVIII
- 12: I + III + V + IX + XVIII